



Welcome!

Shrewsbury Route 20 Safety & Operations
Improvements Master Plan
Shrewsbury, MA

Public Information Meeting
Shrewsbury, MA
March 5, 2019 | 7:00 PM

Introduction

- MassDOT District 3
- Barry Lorion
- Joe Frawley
- Erin Kinahan

- Howard Stein Hudson – MassDOT’s Design Consultant
- Bob Stathopoulos
- Paul Nelson

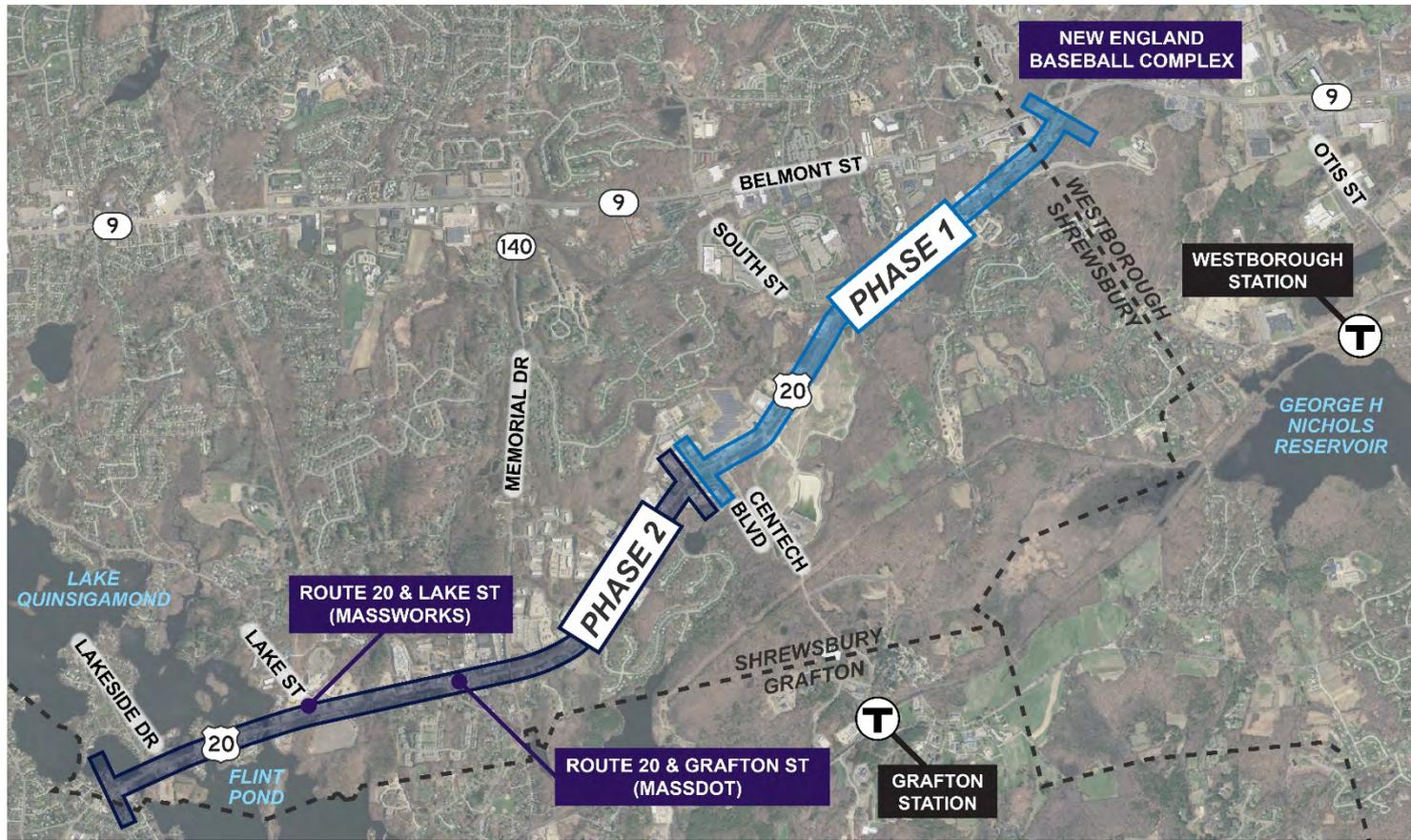
Tonight's Meeting

- **Overview of the Master Plan**
- **Review of existing conditions in the study area**
- **Review of safety deficiencies**
- **Proposed Master Plan**
 - **Addition of Through and Turn Lanes**
 - **Signal Infrastructure Work**
 - **Pedestrian and Bicycle Accommodations**
- **Next steps**

Route 20 Master Plan History

- **Original request to study eastern section from Northborough Crossing to Centech Boulevard**
- **Extended to full corridor due to scale of local development and plans for sewer extension**
- **Ongoing coordination with Town staff to review progress and discuss improvement concepts**
- **Master Plan Phase 1 Presentation to Board of Selectmen – January 2019**
- **Public Meeting to show Master Plan and receive comments**

Master Plan Area - Full Study Area



Shrewsbury, MA

Worcester City Line to Route 9/Route 20 Interchange

Master Plan Area – Tonight's Focus



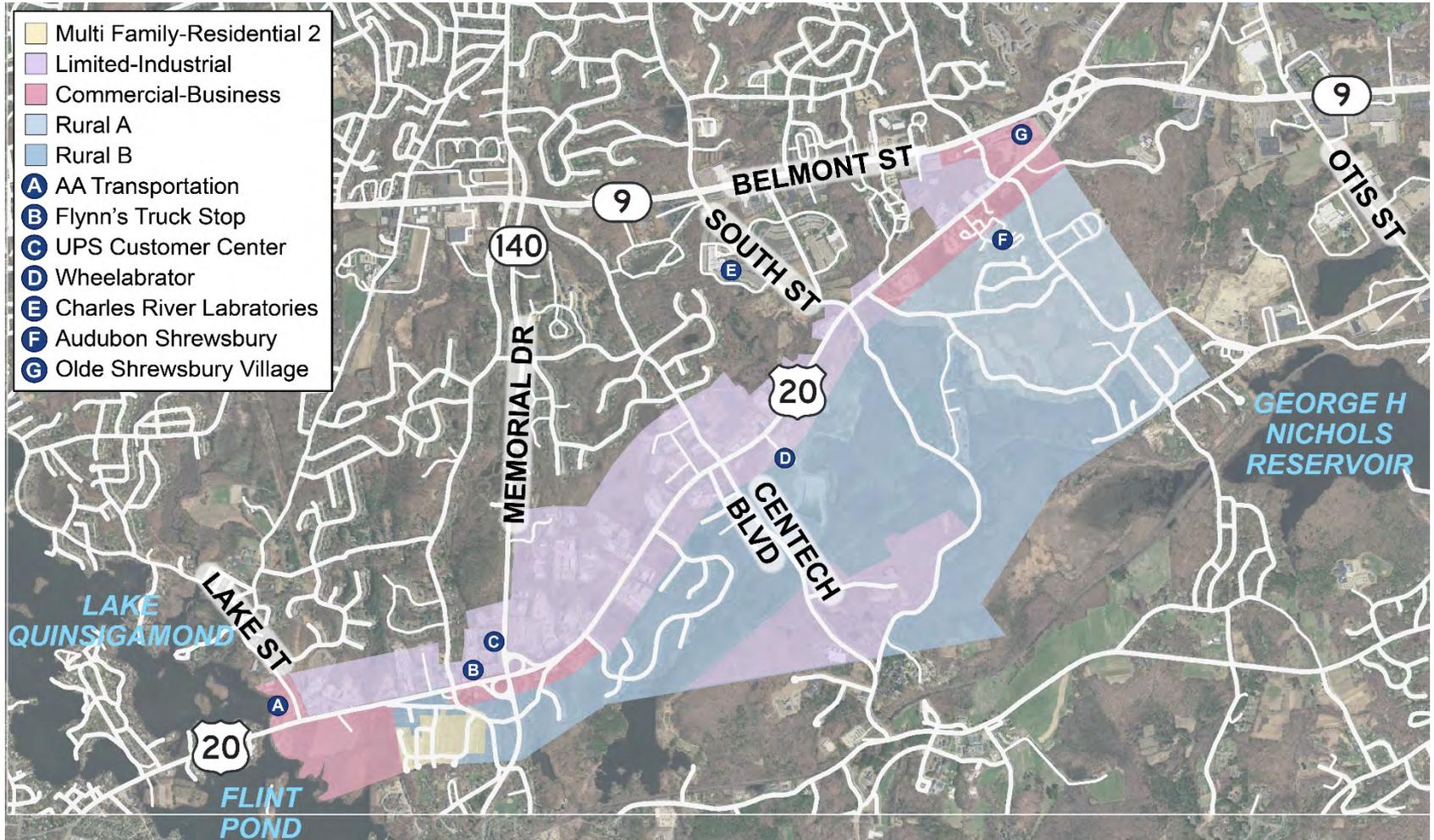
Shrewsbury, MA

Centech Boulevard to Route 9/Route 20 Interchange

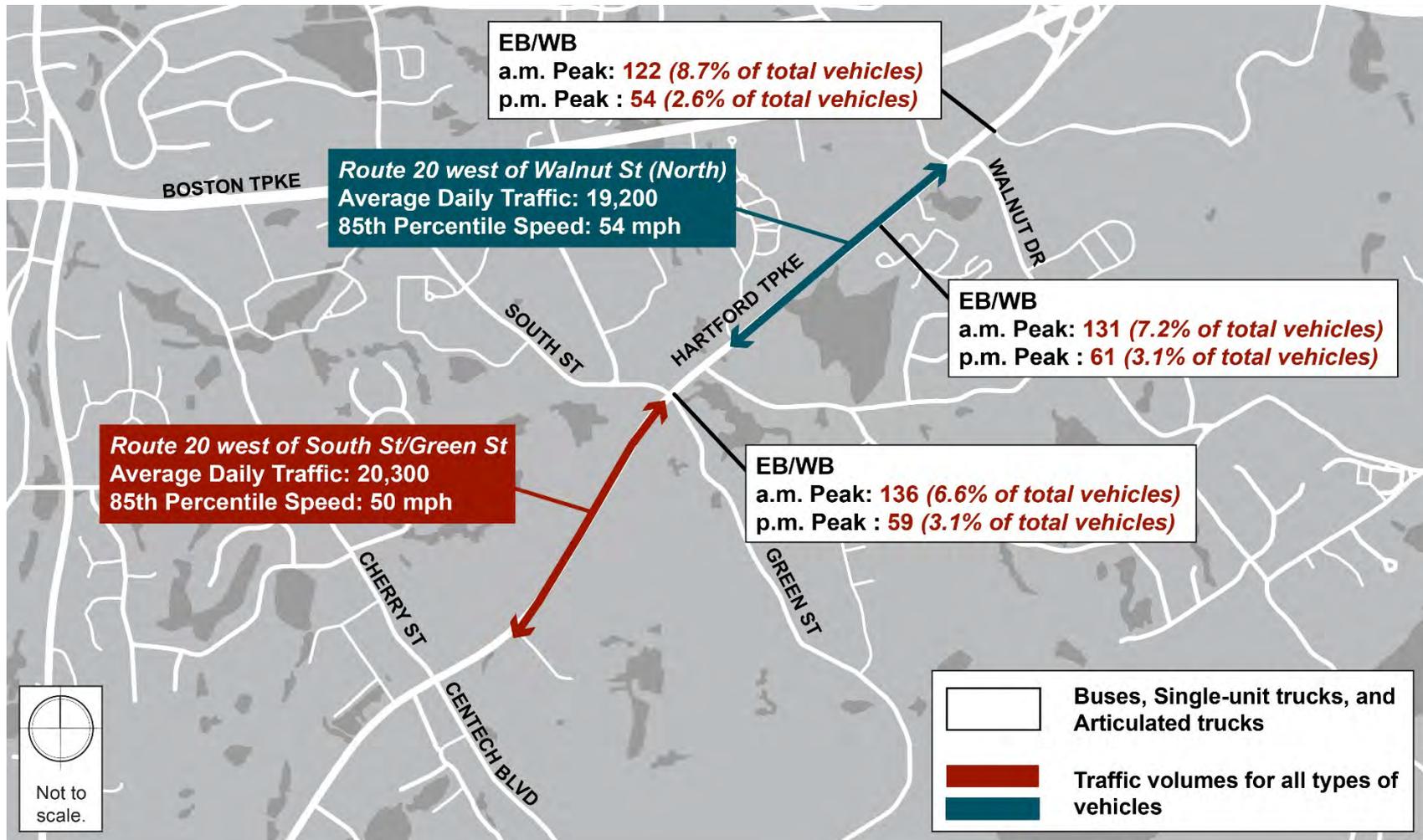
Existing Issues – Phase 1

- **Intersection and corridor safety**
 - South Street
 - Walnut Street
 - Valente Drive
- **Capacity needed to support future traffic growth fueled by private development**
- **Existing congestion**
- **Lack of Travel Options**
 - 86% Drive alone to work

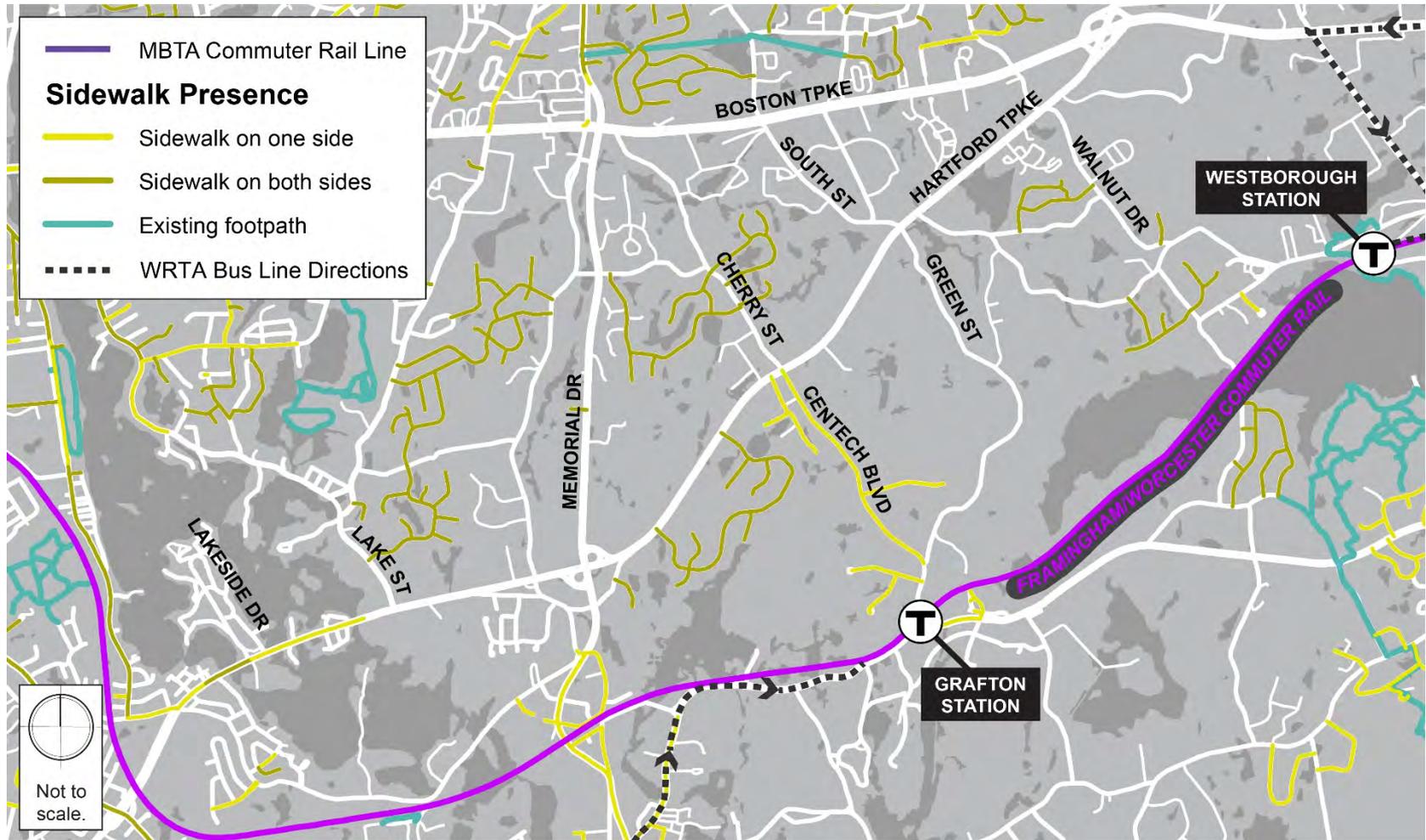
Existing Conditions - Zoning



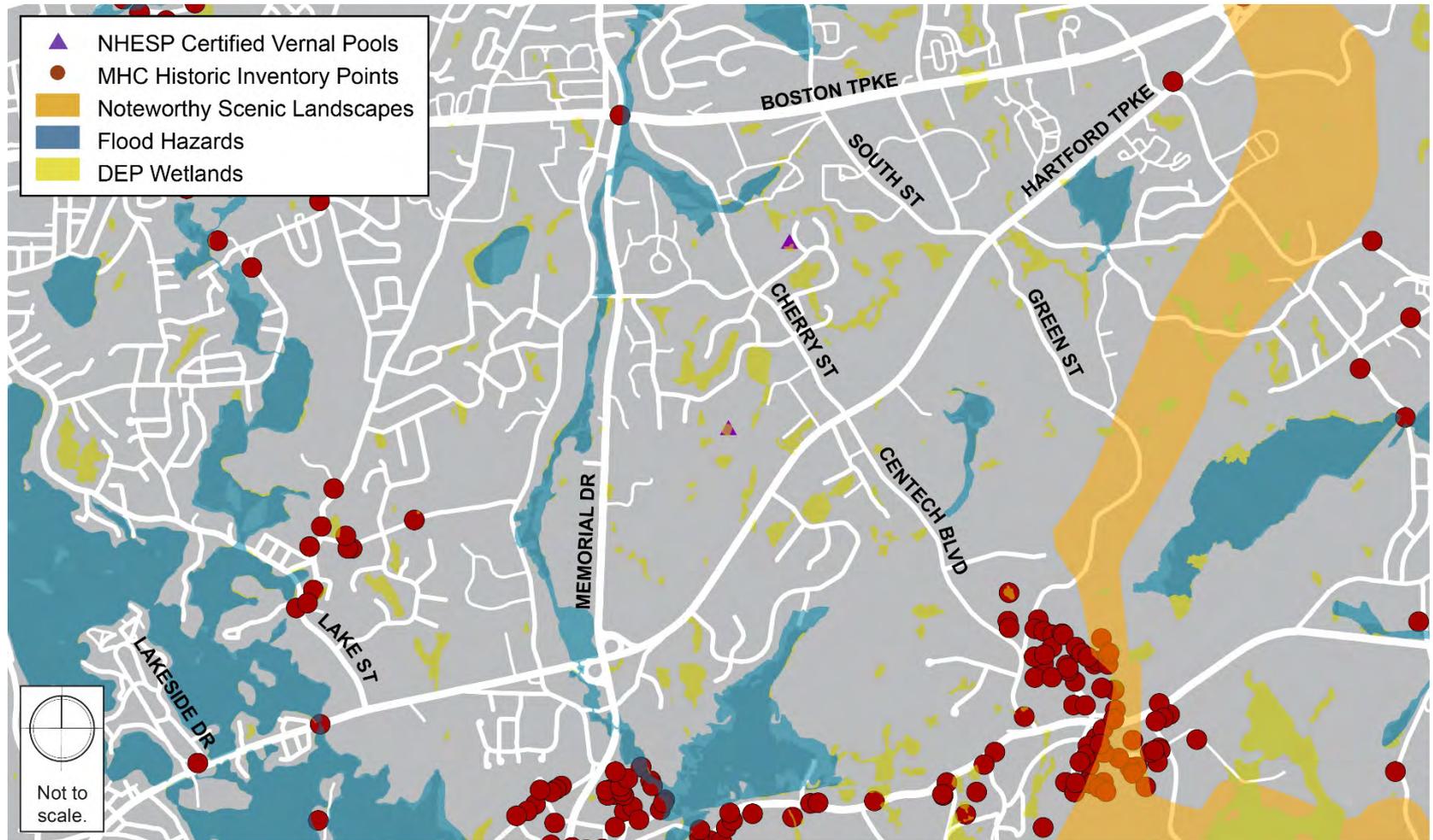
Existing Conditions – Vehicles



Existing Conditions – Bike, Pedestrian, Transit

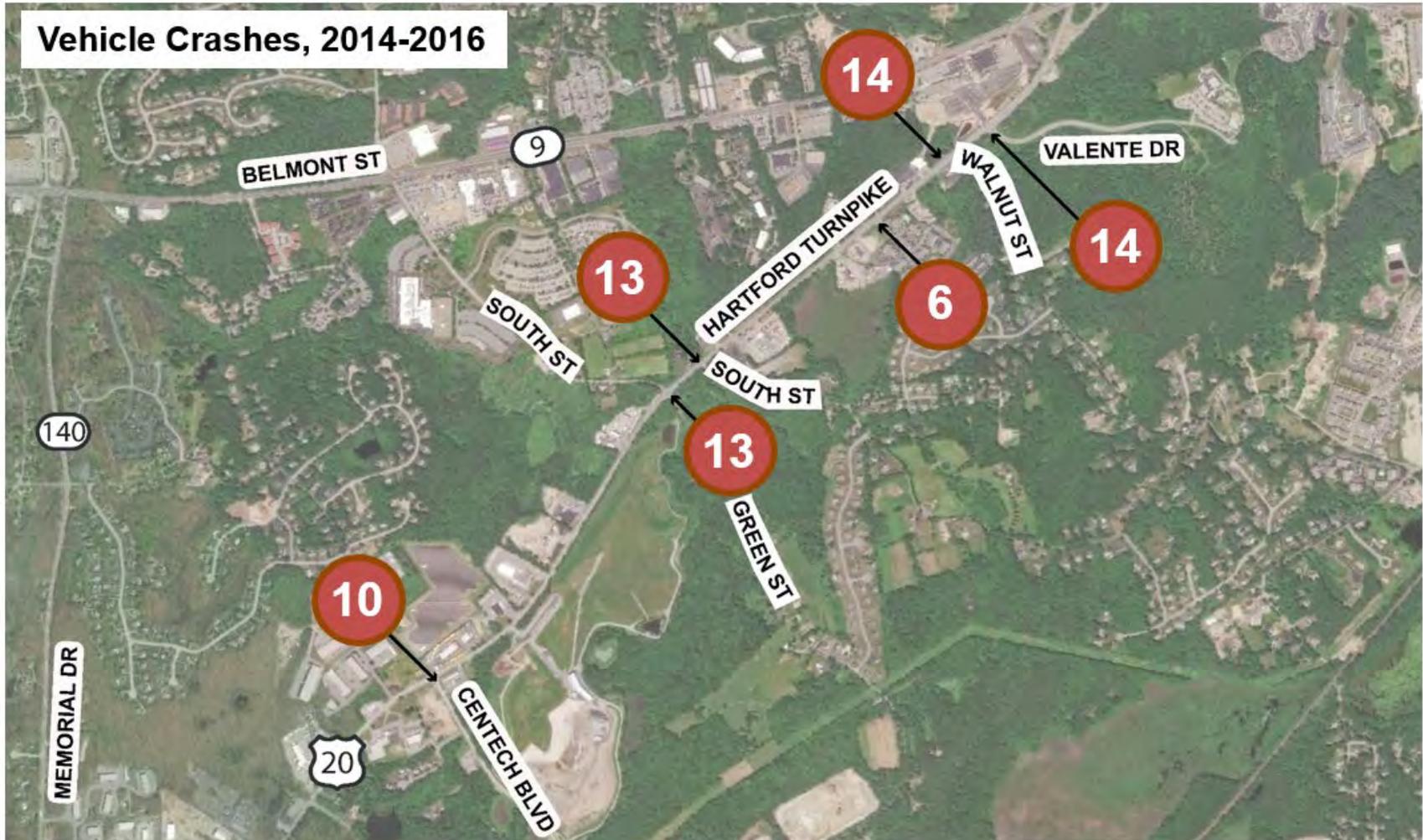


Existing Conditions – Environmental Evaluation



Existing Conditions – Crashes

Vehicle Crashes, 2014-2016



Crashes at Valente Drive

- 14 Total Crashes
- Non-Fatal Injury (21%)
- Angle Crashes (79%)
- 12 p.m. – 2 p.m. (43%)

Angle crashes related to:

- High speeds
- Insufficient gaps
- Crossing multiple lanes
- Making restricted movements (Valente Dr lefts out prohibited)



Crashes at Walnut Street

- High crash location
- 19 Total Crashes
- Non-Fatal Injury (21%)
- Angle Crashes (58%)
- 4 p.m. – 6 p.m. (42%)

Angle crashes related to:

- High speeds
- Insufficient gaps and sight distance
- Crossing multiple lanes
- Intersection Geometry

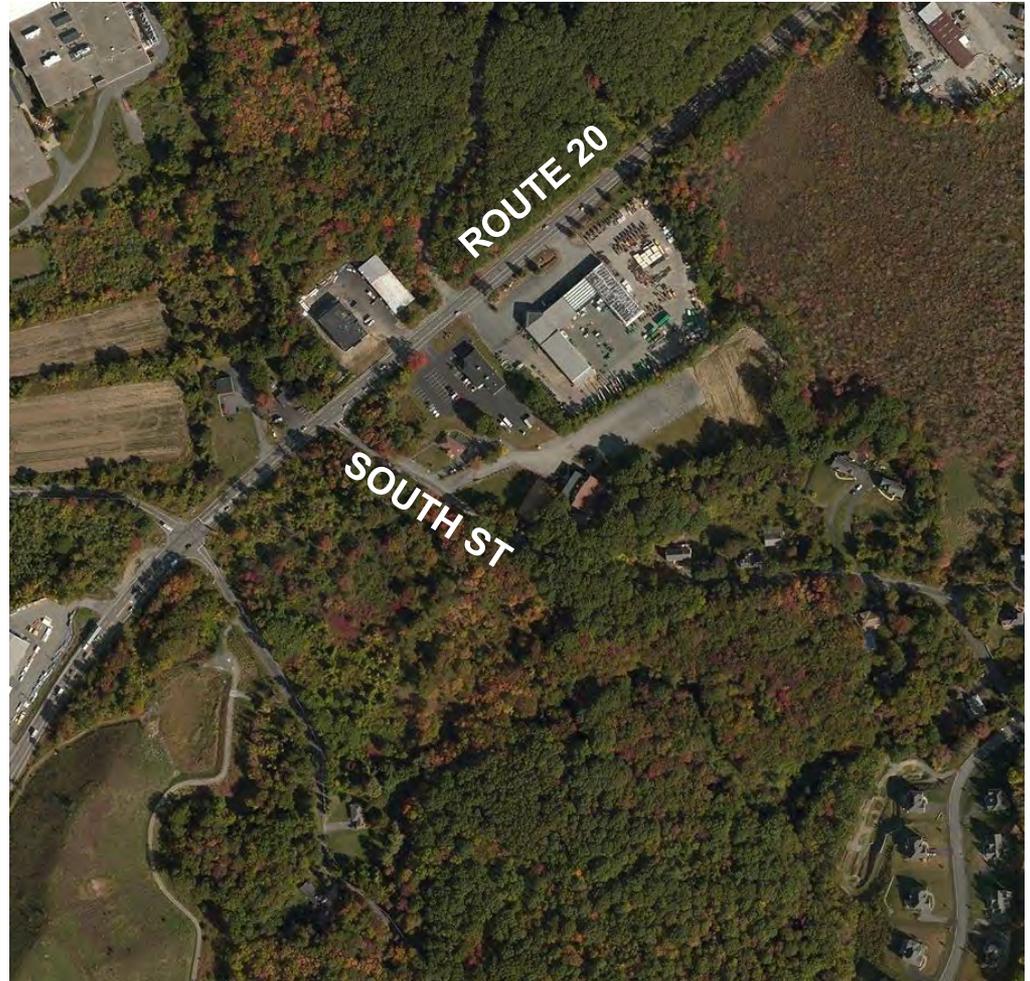


Crashes at South Street

- **13 Total Crashes**
- **Non-Fatal Injury (23%)**
- **Angle Crashes (46%)**
- **4 p.m. – 6 p.m. (31%)**

Angle crashes related to:

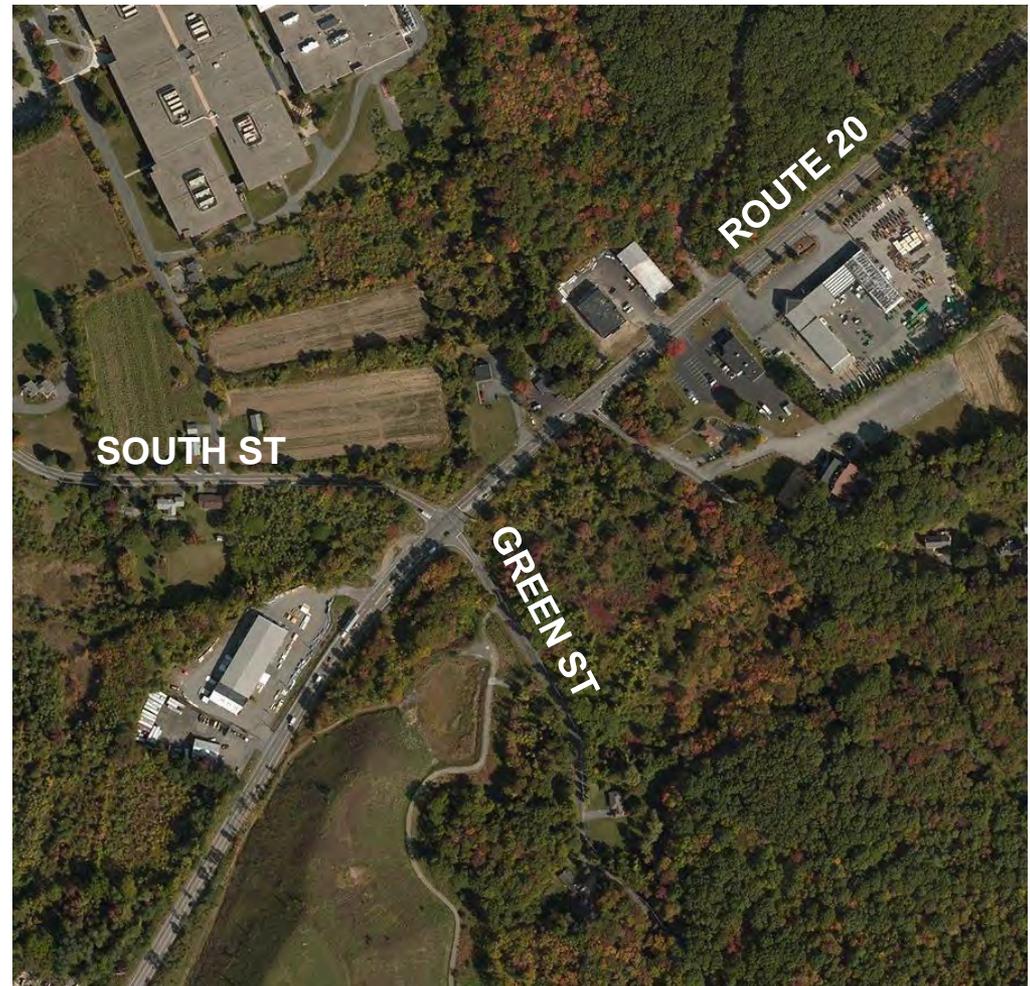
- **High speeds**
- **Insufficient gaps and sight distance**
- **Crossing multiple lanes**
- **Roadway geometry**



Crashes at South Street/Green Street

- 13 Total Crashes
- Non-Fatal Injury (39%)
- Rear-End Crashes (39%)
- 7 a.m. – 9 p.m. (39%)

Rear end crashes related to high speeds or yellow light dilemma.



Crashes at Cherry St/Centech Blvd

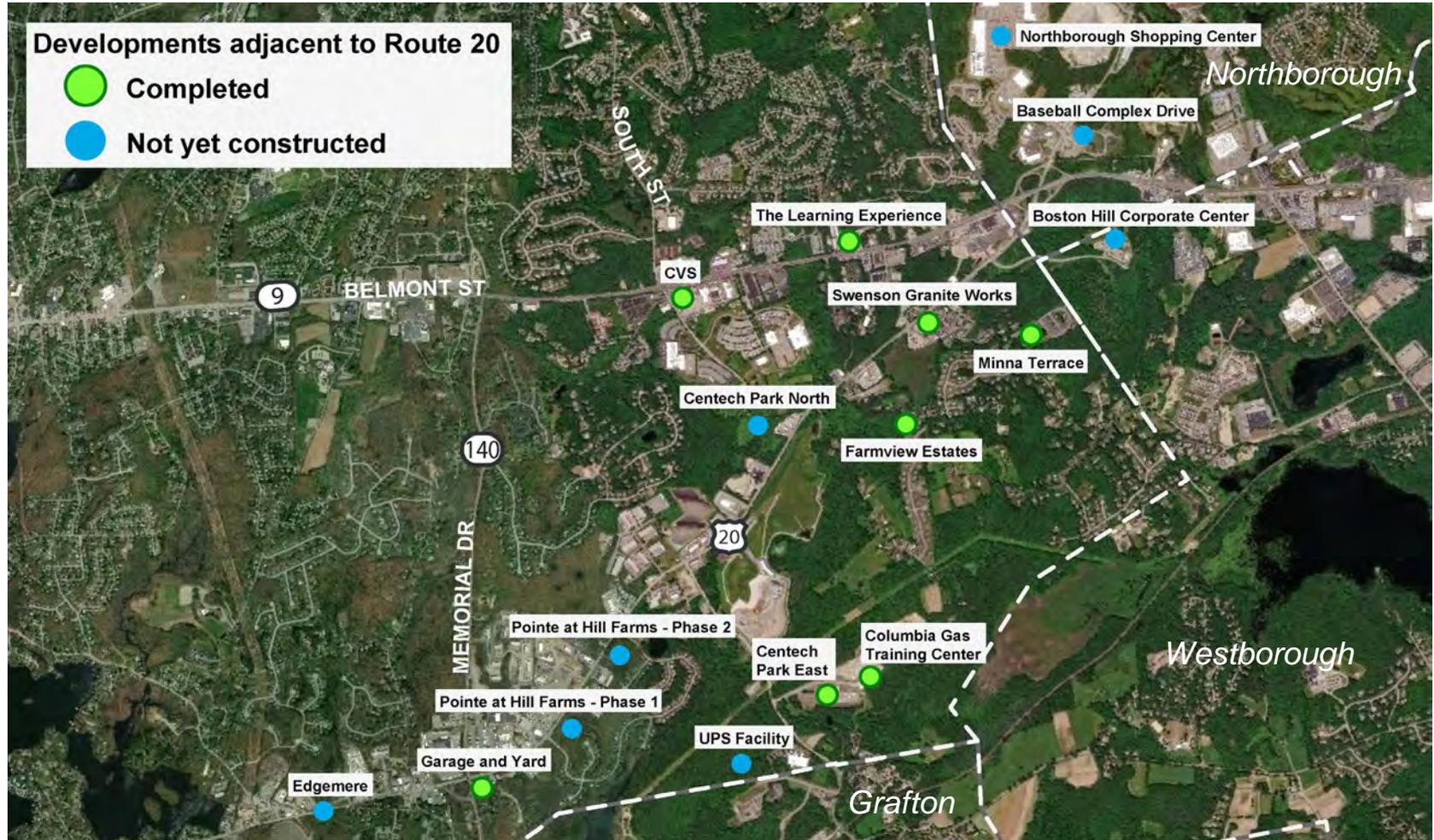
- 10 Total Crashes
- Non-Fatal Injury (30%)
- Angle Crashes (80%)
- 4 p.m. – 6 p.m. (50%)

Angle crashes related to:

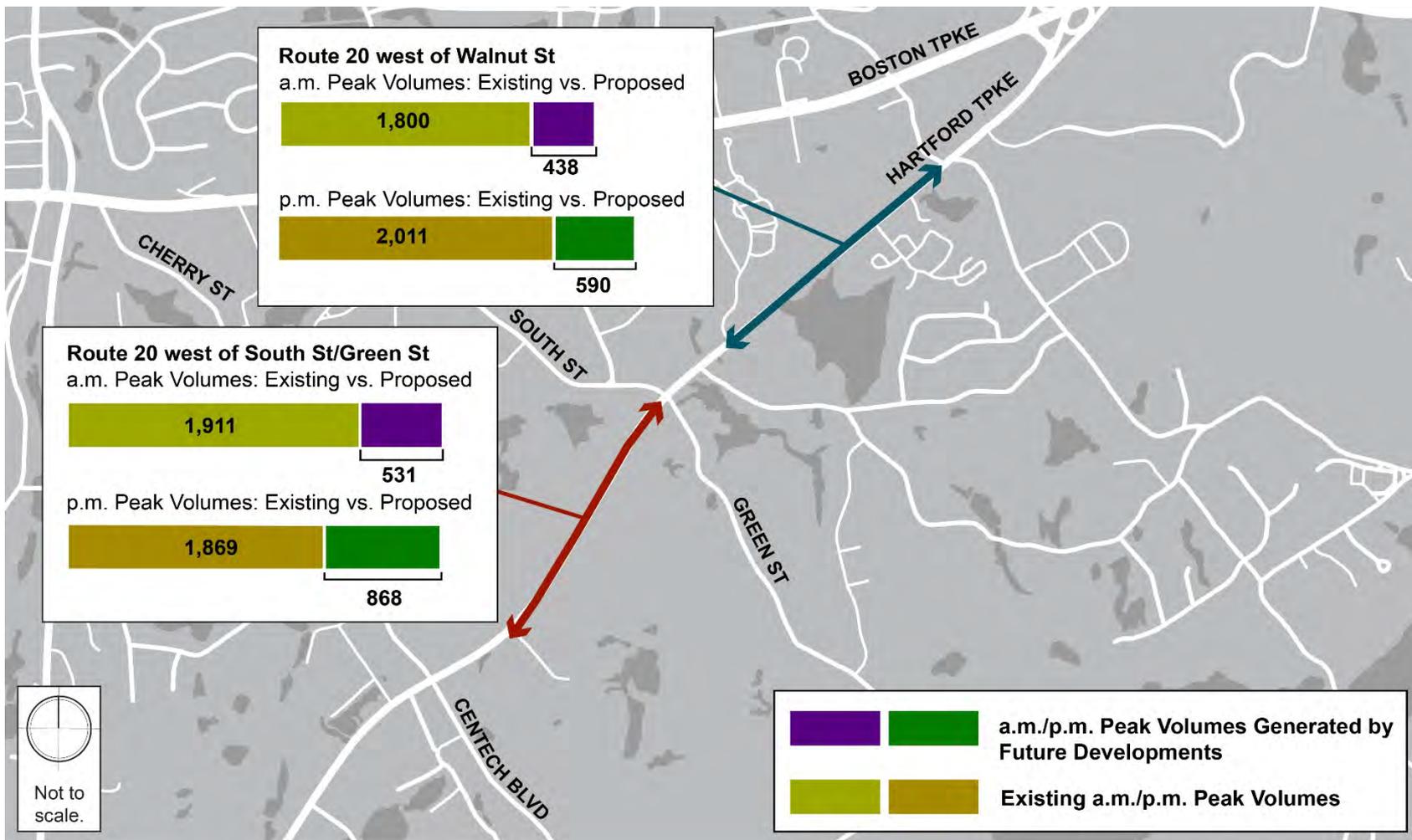
- High speeds
- Crossing multiple lanes



Future Traffic Volumes



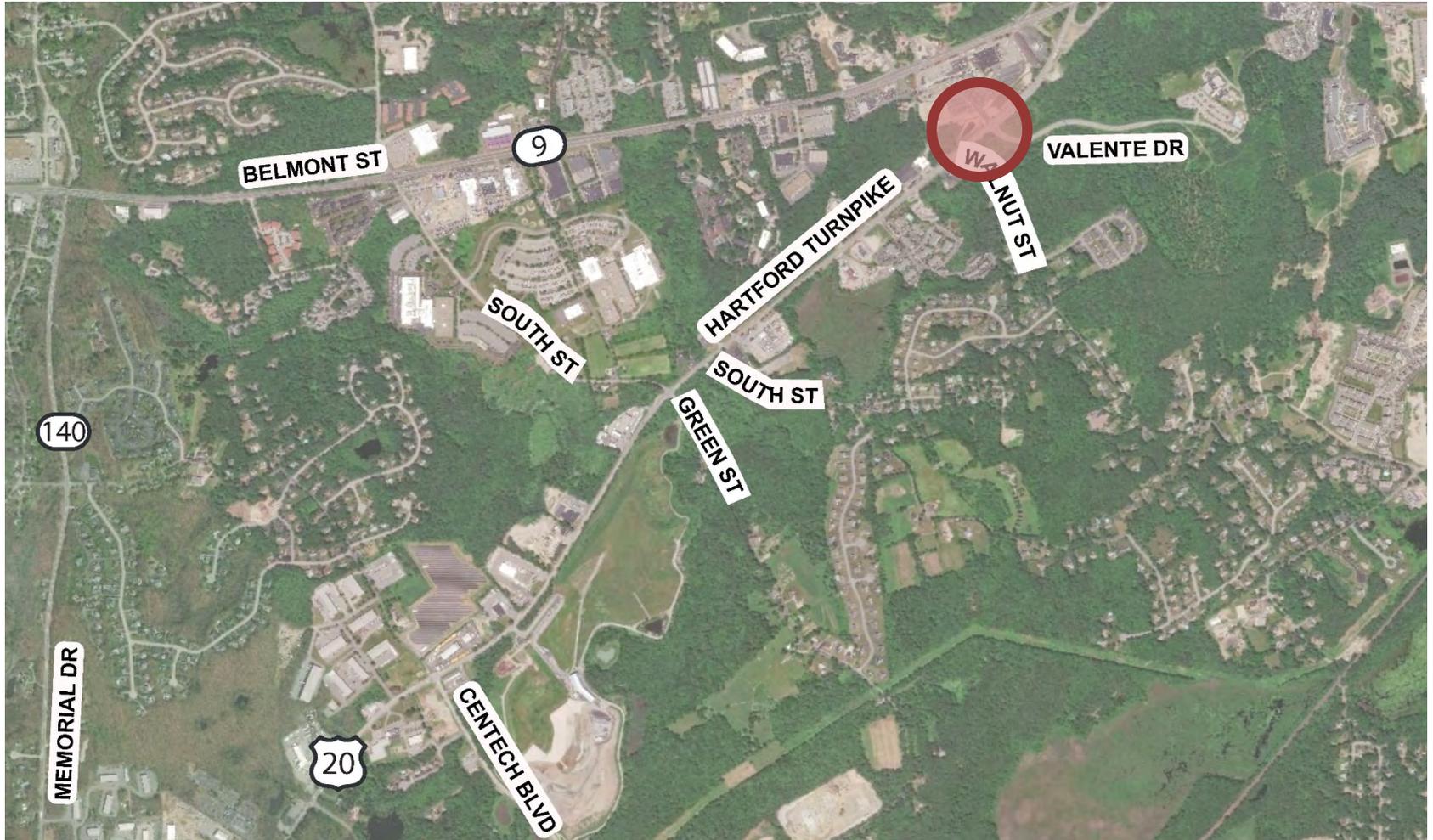
Future Traffic Volumes



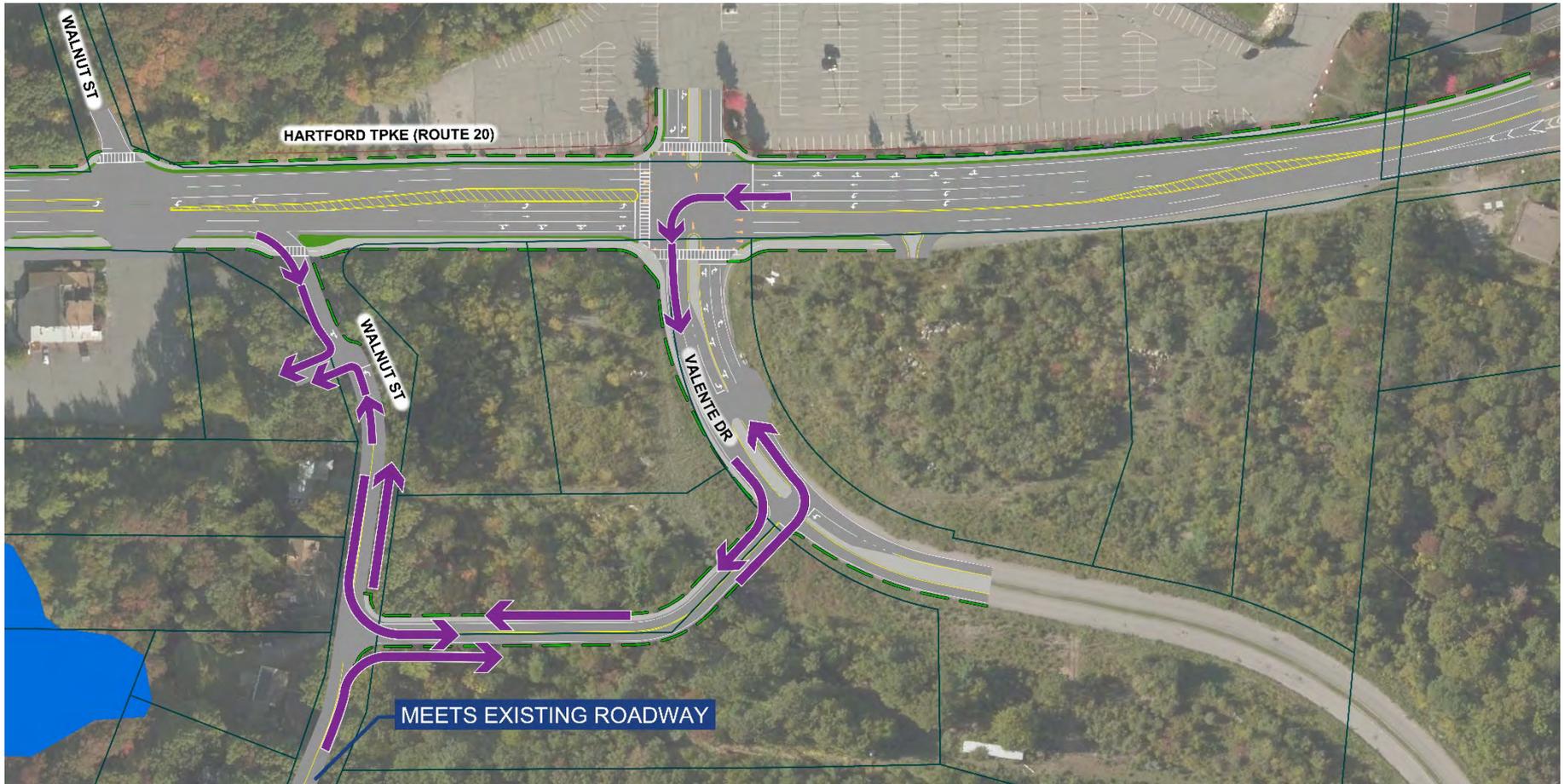
Proposed Master Plan

- **Two travel lanes in each direction on Route 20**
- **Traffic signal improvements**
- **Additional turning lanes at existing signalized intersections**
- **Pedestrian and Bicyclist Facilities**
 - **Shared Use Path and Sidewalk on Route 20**
- **Safety improvements at deficient locations**

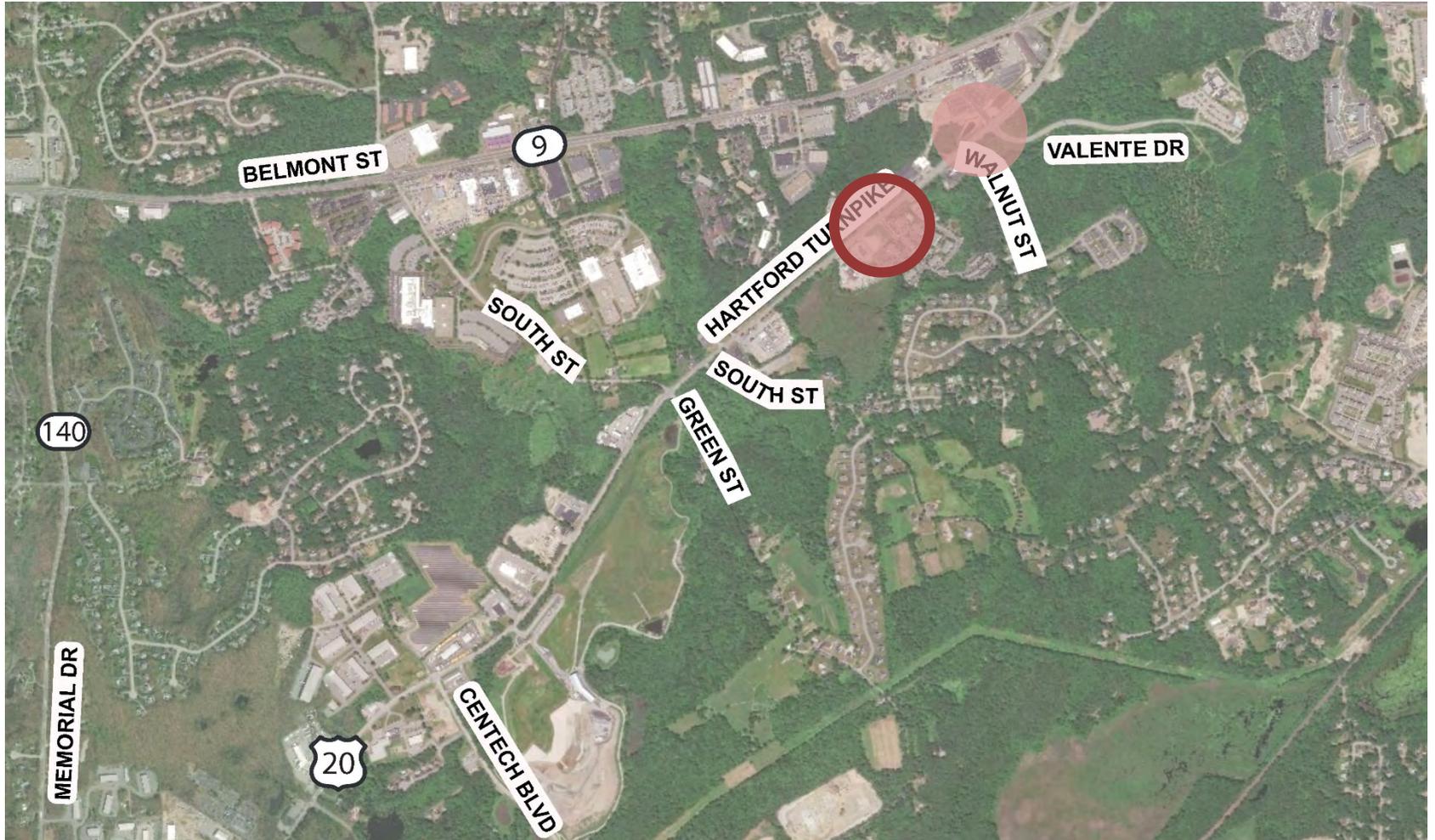
Proposed Conditions



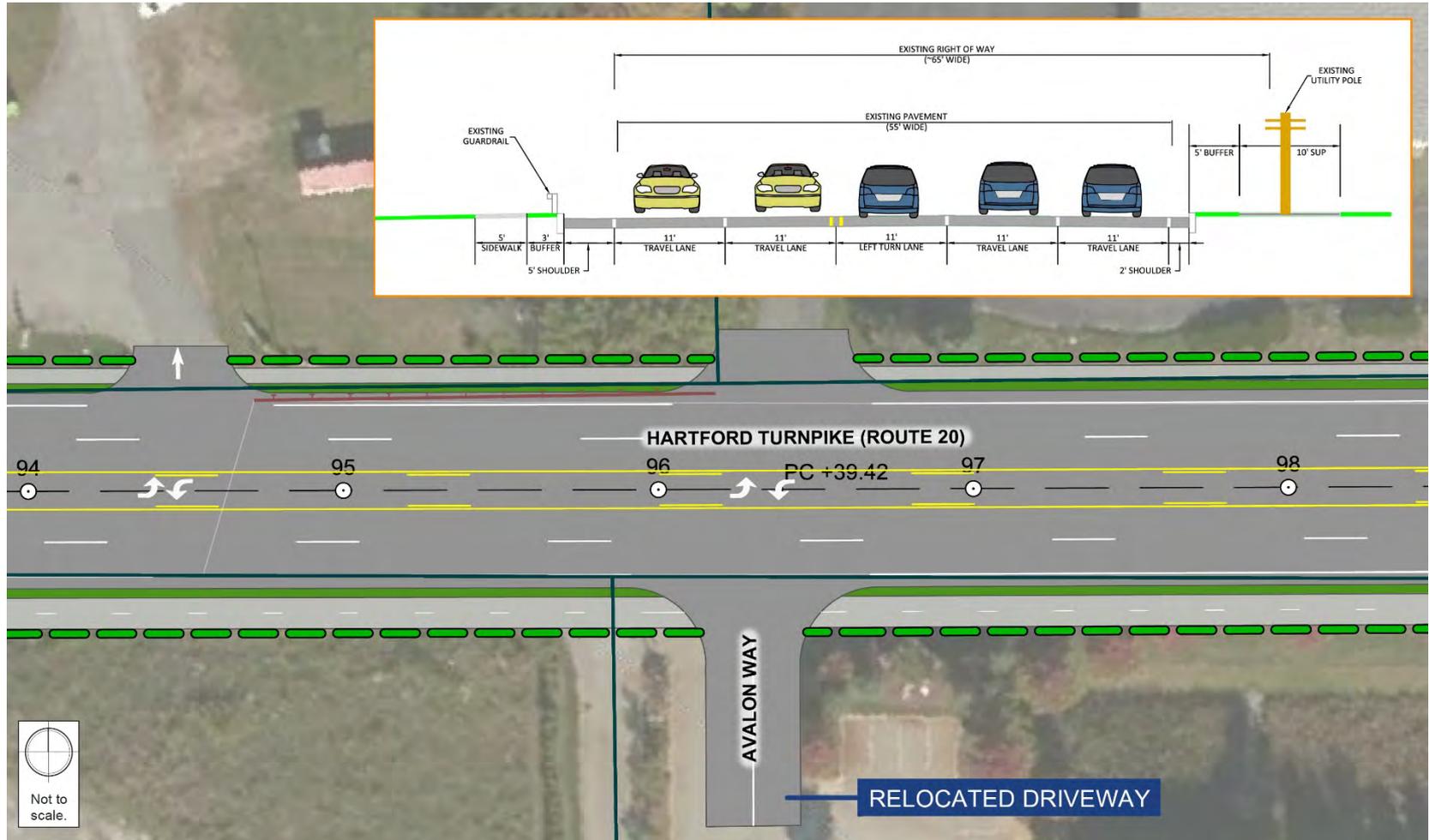
Proposed Conditions



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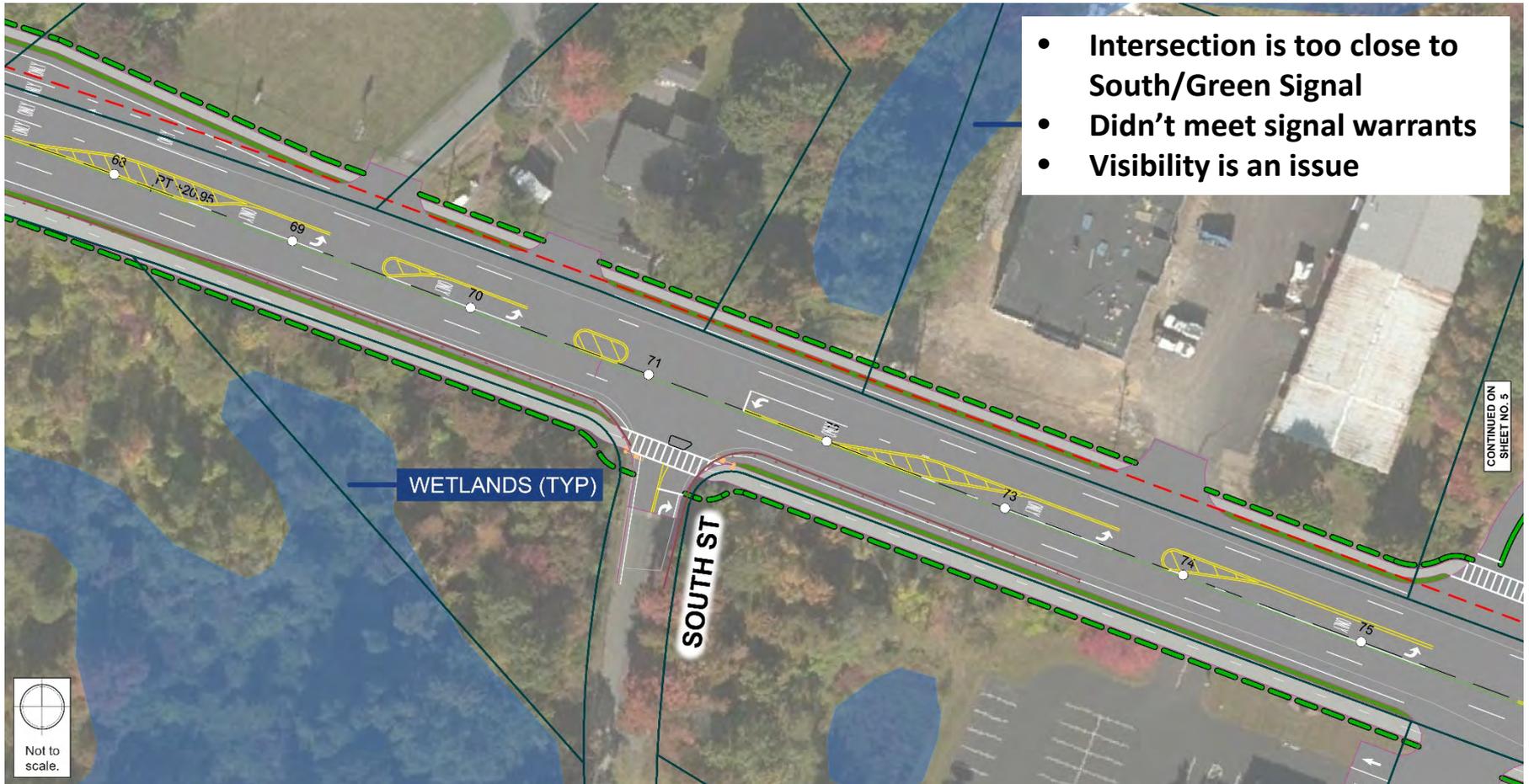
Proposed Conditions



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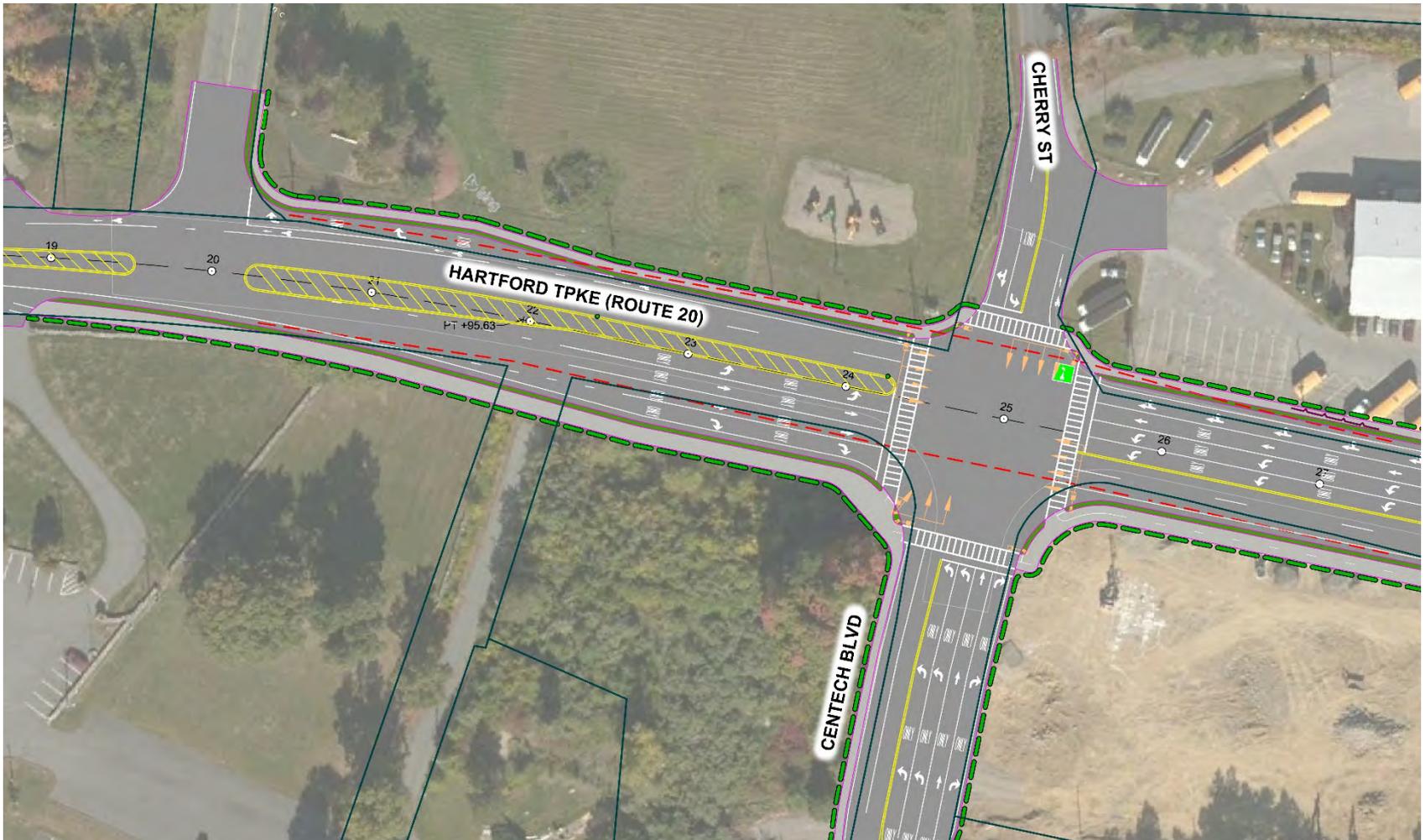
Proposed Conditions



Proposed Conditions



Proposed Conditions



Next Steps

- **Consider feedback on the Phase 1 plan presented tonight.**
- **Finalize Master Plan for Phase 1 – early Spring 2019.**
- **Finalize full corridor Master Plan – late Spring 2019.**
- **Work with the Town to identify a segment to prioritize for implementation.**



Thank You

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